

GENERAL SERVICES ADMINISTRATION

Federal Acquisition Service

Authorized Federal Supply Schedule FSS Price List

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA *Advantage!®*, a menu-driven database system. The internet address GSA *Advantage!®* is: GSAAvantage.gov.

Multiple Award Schedule

FSC Group: Professional, Administrative and Management Support Services

Contract number: GS-35F-424AA

Contract period: June 18th, 2013 – June 17th, 2018 (Base Period)
June 18th, 2018 – June 17th, 2023 (Option Period 01)
June 18th, 2023 – June 17th, 2028 (Option Period 02)



12700 Black Forest Ln, Suite 306
Woodbridge VA 22192-5306
(703) 496-3776

<https://sev1tech.com/contract-vehicles/gsa-schedules/>

Contract administration source (if different from preceding entry).

Kay Bridges	Amy M Trosclair,
Contracts Director	Contracts Manager,
Kay.Bridges@sev1tech.com	Amy.Trosclair@sev1tech.com
(703) 662-9232	(504) 405-3386

Business size: Large

For more information on ordering go to the following website: <https://www.gsa.gov/schedules>.

Price list current as of Modification #PO-0032

Prices Shown Herein are Net (discount deducted)

CUSTOMER INFORMATION

1a. Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s).

SIN	SIN Title	Category	Sub-Category
54151S	Information Technology Professional Services	Information Technology	F03 - IT Services
54151HACS	Highly Adaptive Cybersecurity Services (HACS)	Information Technology	F03 - IT Services
518210C	Cloud Computing and Cloud Related IT Professional Services	Information Technology	F05 - IT Solutions

2. Maximum order:

SIN	Max Order
54151S	\$500,000
518210C	\$500,000
54151HACS	\$500,000

3. Minimum order: \$100

4. Geographic coverage (delivery area). Worldwide

5. Point of production (city, county, and State or foreign country). Company Address as seen on page 1

6. Discount from list prices or statement of net price. Government Net Prices (discounts already deducted.)

7. Quantity discounts. None

8. Prompt payment terms. Net 30 days

9. Foreign items (list items by country of origin). Not Applicable (typical response)

10a. Time of delivery. (Contractor insert number of days.) To Be Determined at the Task Order level

10b. Expedited Delivery. Items available for expedited delivery are noted in this price list. To Be Determined at the Task Order level

10c. Overnight and 2-day delivery. To Be Determined at the Task Order level

10d. Urgent Requirements. To Be Determined at the Task Order level

11. F.O.B. point(s). Destination

12a. Ordering address(es). Company Address as seen on page 1

12b. Ordering procedures: See Federal Acquisition Regulation (FAR) 8.405-1 Ordering procedures for supplies and services not requiring a statement of work, FAR 8.405-2 Ordering procedures for services requiring a statement of work and FAR 8.405-3 Blanket purchase agreements (BPAs).

13. Payment address(es). Company Address as seen on page 1

14. Warranty provision. Standard Commercial Warranty Terms & Conditions

15. Export packing charges, if applicable. Not Applicable
16. Terms and conditions of rental, maintenance, and repair (if applicable). Not Applicable
17. Terms and conditions of installation (if applicable). Not Applicable
- 18a. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable). Not Applicable
- 18b. Terms and conditions for any other services (if applicable). Not Applicable
19. List of service and distribution points (if applicable). Not Applicable
20. List of participating dealers (if applicable). Not Applicable
21. Preventive maintenance (if applicable). Not Applicable
- 22a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants). Not Applicable
- 22b. If applicable, indicate that Section 508 compliance information is available for the information and communications technology (ICT) products and services and show where full details can be found (e.g. contractor's website or other location.) ICT accessibility standards can be found at: <https://www.Section508.gov/>. Not Applicable
23. Unique Entity Identifier (UEI) number. HST3AH9JCNN1
24. Notification regarding registration in System for Award Management (SAM) database. Contractor registered and active in SAM

Service Contract Labor Standards Matrix:

SCA/SCLS Matrix		
SCLS Eligible Contract Labor Category/Fixed Price Service	SCLS Equivalent Code Title	WD Number
Facilities, Professional Services, and Scientific Management and Solutions SINS		
Analyst 1	01020 Administrative Assistant	2015-4281
Analyst 2	01020 Administrative Assistant	2015-4281

The Service Contract Labor Standards, formerly the Service Contract Act (SCA), apply to this contract and it includes SCLS applicable labor categories. Labor categories and fixed price services marked with a (**) in this pricelist are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLS/SCA matrix. The prices awarded are in line with the geographic scope of the contract (i.e., nationwide).

1b. RATE TABLE

Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.

In order to increase flexibility in hiring under these LCATS, we are incorporating the following substitution rules: All education requirements are substitutable on a year-for-year basis: AA/AS can be substituted for an additional 2 years' experience, BA/BS can be substituted for an additional 4 years' experience, a MA/MS can be substituted for an additional 6 years' experience. See the below table for additional details.

Education Requirements	Edu/Exp Substitution
AA/AS	HS and 2 years
BA/BS	HS and 4 years, AA/AS and 2 years,
MA/MS	HS and 6 years, AA/AS and 4 years, BA/BS and 2 years

The rates shown below include the Industrial Funding Fee (IFF) of 0.75 %, and include an annual 3.0% escalation.

Information Technology SINS

Service Proposed (E.G. Job Title/Task)	Minimum Education	Minimum Experience	Year 11 June 18 th , 2023 – June 17 th , 2024	Year 12 June 18 th , 2024 – June 17 th , 2025	Year 13 June 18 th , 2025 – June 17 th , 2026	Year 14 June 18 th , 2026 – June 17 th , 2027	Year 15 June 18 th , 2027 – June 17 th , 2028
Analyst 1**	BA/BS	1	\$71.69	\$73.48	\$75.32	\$77.20	\$79.13
Analyst 2**	BA/BS	3	\$87.00	\$89.18	\$91.41	\$93.70	\$96.04
Cloud Analyst 3	AA/AS	1	\$111.32	\$114.10	\$116.95	\$119.87	\$122.87
Cloud Analyst 4	BA/BS	2	\$140.17	\$143.67	\$147.26	\$150.94	\$154.71
Cloud Analyst 5	BA/BS	3	\$156.87	\$160.79	\$164.81	\$168.93	\$173.15
Cloud Architect 3	BA/BS	2	\$140.22	\$143.73	\$147.32	\$151.00	\$154.78
Cloud Architect 4	BA/BS	4	\$212.53	\$217.84	\$223.29	\$228.87	\$234.59
Cloud Consultant 3	BA/BS	2	\$115.82	\$118.72	\$121.69	\$124.73	\$127.85
Cloud Consultant 4	BA/BS	4	\$133.59	\$136.93	\$140.35	\$143.86	\$147.46
Cloud Database Engineer	BA/BS	3	\$118.41	\$121.37	\$124.40	\$127.51	\$130.70
Cloud Docker	BA/BS	3	\$122.46	\$125.52	\$128.66	\$131.88	\$135.18
Cloud Engineer 3	BA/BS	2	\$133.59	\$136.93	\$140.35	\$143.86	\$147.46
Cloud Engineer 4	BA/BS	3	\$155.85	\$159.75	\$163.74	\$167.83	\$172.03
Cloud Engineer 5	BA/BS	5	\$223.66	\$229.25	\$234.98	\$240.85	\$246.87
Cloud Project Manager	BA/BS	4	\$212.53	\$217.84	\$223.29	\$228.87	\$234.59
Cloud Security Information Analyst	BA/BS	4	\$147.76	\$151.45	\$155.24	\$159.12	\$163.10
Cloud SME	BA/BS	5	\$197.35	\$202.28	\$207.34	\$212.52	\$217.83
Cloud Solutions Manager	BA/BS	4	\$146.95	\$150.62	\$154.39	\$158.25	\$162.21



Cloud Systems Administrator 2	AA/AS	1	\$103.23	\$105.81	\$108.46	\$111.17	\$113.95
Cloud Systems Administrator 3	BA/BS	4	\$115.97	\$118.87	\$121.84	\$124.89	\$128.01
Cyber Security Architect 3	MA/MS	3	\$151.26	\$155.04	\$158.92	\$162.89	\$166.96
Cyber Security Engineer 1	BA/BS	1	\$120.20	\$123.21	\$126.29	\$129.45	\$132.69
Cyber Security Engineer 2	BA/BS	3	\$138.23	\$141.69	\$145.23	\$148.86	\$152.58
Cyber Security Engineer 3	BA/BS	5	\$150.25	\$154.01	\$157.86	\$161.81	\$165.86
Cyber Security Engineer 4	BA/BS	7	\$152.26	\$156.07	\$159.97	\$163.97	\$168.07
Cyber Security Engineer 5	MA/MS	9	\$194.08	\$198.93	\$203.90	\$209.00	\$214.23
Cyber SME 5	BA/BS	8	\$151.80	\$155.60	\$159.49	\$163.48	\$167.57
Cyber SME 6	BA/BS	10	\$170.53	\$174.79	\$179.16	\$183.64	\$188.23
Information Security Consultant 1	BA/BS	2	\$140.24	\$143.75	\$147.34	\$151.02	\$154.80
Information Security Consultant 2	BA/BS	4	\$150.25	\$154.01	\$157.86	\$161.81	\$165.86
Information Security Consultant 3	BA/BS	6	\$165.28	\$169.41	\$173.65	\$177.99	\$182.44
Information Security Consultant 4	MA/MS	8	\$219.37	\$224.85	\$230.47	\$236.23	\$242.14
Information Security Consultant 5	MA/MS	10	\$248.42	\$254.63	\$261.00	\$267.53	\$274.22
Information Security Manager	BA/BS	10	\$185.32	\$189.95	\$194.70	\$199.57	\$204.56
Network SME 4	BA/BS	8	\$164.96	\$169.08	\$173.31	\$177.64	\$182.08
Network SME 5	BA/BS	10	\$212.52	\$217.83	\$223.28	\$228.86	\$234.58
Platform SME 4	BA/BS	5	\$146.75	\$150.42	\$154.18	\$158.03	\$161.98
Platform SME 5	BA/BS	7	\$202.41	\$207.47	\$212.66	\$217.98	\$223.43
Security Systems Integration Engineer	BA/BS	5	\$227.70	\$233.39	\$239.22	\$245.20	\$251.33
Senior Firewall Engineer	BA/BS	6	\$212.52	\$217.83	\$223.28	\$228.86	\$234.58
Senior Subject Matter Expert 3	BA/BS	8	\$125.13	\$128.26	\$131.47	\$134.76	\$138.13
Senior Subject Matter Expert 4	BA/BS	10	\$150.89	\$154.66	\$158.53	\$162.49	\$166.55
Senior Tech PM 4	BA/BS	10	\$150.34	\$154.10	\$157.95	\$161.90	\$165.95
Staff Consultant	BA/BS	4	\$86.89	\$89.06	\$91.29	\$93.57	\$95.91
Subject Matter Expert 1	BA/BS	2	\$101.76	\$104.30	\$106.91	\$109.58	\$112.32
Subject Matter Expert 2	BA/BS	4	\$115.45	\$118.34	\$121.30	\$124.33	\$127.44
Subject Matter Expert 5	MA/MS	12	\$193.29	\$198.12	\$203.07	\$208.15	\$213.35
Systems Engineer 5	BA/BS	8	\$172.05	\$176.35	\$180.76	\$185.28	\$189.91
Systems Engineer 6	BA/BS	10	\$193.29	\$198.12	\$203.07	\$208.15	\$213.35
Technical Delivery Manager II	BA/BS	5	\$137.12	\$140.55	\$144.06	\$147.66	\$151.35

1c. LABOR CATEGORY DESCRIPTIONS

If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate “Not applicable” for this item.

Information Technology SINS (all)

LCAT	LCAT Description
Analyst 1	Responsible for reporting directly to Project and/or Program Managers and may require interfacing with the client in direct support of program efforts. Participate in all aspects of project schedule planning, development, delivery and maintenance in support of complex IT program and/or projects. Able to update, maintain schedules, record meeting minutes, and provide documentation and PM documents. Participates in the coordination of the individual projects and activities into a successful overall Program schedule. Can take initiative and maintain confidentiality while multi-tasking in a fast-paced team-oriented environment.
Analyst 2	Responsible for reporting directly to Project and/or Program Managers and may require interfacing with the client in direct support of program efforts. Participate in all aspects of project schedule planning, development, delivery and maintenance in support of complex IT program and/or projects. Able to update, maintain schedules, record meeting minutes, and provide documentation and PM documents. Participates in the coordination of the individual projects and activities into a successful overall Program schedule. Can take initiative and maintain confidentiality while multi-tasking in a fast-paced team-oriented environment.
Cloud Analyst 3	Cloud Analyst is responsible for planning and engineering of an organization's cloud computing infrastructure and applications. Implements and designs hardware and software. Being a Cloud Systems Analyst monitors the performance of systems. Additionally, Cloud Systems Analyst is familiar with standard concepts, practices, and procedures of cloud technology, including Software as Service (SaaS), Platform as Service (PaaS), or Infrastructure as a Service (IaaS). Typically reports to a supervisor or manager. Gains exposure to some of the complex tasks within the job function. Occasionally directed in several aspects of the work.
Cloud Analyst 4	Analyzes cloud-related business requirements and project objectives, and develops application functional specifications. Analyzes computer input, designs complex data sets, and envisions the data. Researches and develops original solutions to help client solve big data problems and to build holistic solutions for the client, to help save time, money, and resources. Communicates with technical and non-technical users, business stakeholders or clients, developers, end-users, and Project Managers. Gathers and evaluates project requirements, meets with customers and partners to outline expectations, and defines stakeholder alignment. Discusses best practices for cloud for sales, service, and social projects across multiple methodologies. Keeps up to date on current and road-mapped cloud features, functionality, and terminology. Manages follow-ups and action items from meetings with Consultants, Service Delivery Managers, and/or Account Managers. Serves as a functional advisor and problem solver to stakeholders to assist them in understanding and optimizing data and their use of the product to define, build, and deploy online applications. Researches new developments. Writes advanced analytics on cloud-based technologies, serves as a subject matter expert for updating and automating traditional analytical techniques through cloud-based solutions or automation and scripting.
Cloud Analyst 5	Will have substantial experience providing cloud infrastructure baselining and opportunity assessment support, as well as developing sequenced migration plans for infrastructure, services, and data. Work with Enterprise Platforms Lead and Cloud Readiness Team to support the development of cloud migration inputs and solutions, from needs analysis and environment baselining and assessment, through the development of a detailed phased cloud migration plan/roadmap. Evaluate architectural frameworks/patterns, processes, standards, and guidelines related to cloud, enterprise, and data architecture, and align cloud approach with overall enterprise architecture vision. Support cloud readiness and feasibility assessments, workshops, roadmap, and application modernization discussions. Assess, provide recommendations, and develop implementation plans for cloud migration, operation, and optimization. Provide technical expertise in resolving challenging technical problems, and in identifying risks with associated mitigations. Create a playbook for identifying, assessing, and prioritizing enterprise applications, systems, and data for migration to the cloud. The playbook shall incorporate established technical criteria, migration drivers, and technical/organizational constraints.

	Functional knowledge of cloud technologies (IaaS, PaaS, SaaS). Experience defining, designing and/or implementing cloud solutions Familiarity with Software Development Life Cycle (SDLC) or similar methodologies. Experience gathering requirements and capturing user stories. Familiarity with business analyses, including gap analysis, process mapping, root-cause analysis, and risk analysis. AWS, Azure, or similar Cloud certification or experience. Excellent communication skills: verbal, written, and presentation. Facility communicating with and managing stakeholders across all organizational levels.
Cloud Architect 3	Provide consultation and strategic guidance to agency IT staff to help shape IT strategy and direction for large, complex agency IT ecosystems. As part of an Enterprise Architecture (EA) program team, develop and maintain key agency EA products to include: Application Life cycle Management (ALM) strategy, continuous integration (CI) and continuous deployment (CD) processes and techniques under an overarching enterprise Platform-as-a-Service, DevOps, and Cloud Strategy. Responsible to build and maintain a CI/CD strategy for the IRS and by extension, the DevOps strategy for application development as well as operations management. Cloud Strategy and Application Rationalization for Cloud Deployment, Cloud Vendor or Platform Selection and Cloud Migration strategy. Build and maintain a cloud infrastructure strategy for federal agencies through providing inputs and advising clients, sometimes by creating the solution architecture or overseeing proofs of concept (POCs), to build multiple software POCs to assess the various needs of the client from the perspective of security, networking, and cloud infrastructure providers. Provide inputs and advise, sometimes by creating a solution architecture or overseeing Proof-of-Concepts (POCs), to build multiple software POCs using the various types of application stack and PaaS solutions, inbuilt or external DevOps tools and methodologies, and come up with an incrementally updated policy, guideline and checklist documents for the enterprise to use. Provide inputs for the new Internal Reference Manuals (IRMs) or rewrite older ones to administer formal approvals for the processes and tools associated with the PaaS and DevOps technologies The Cloud Architect will work to analyze, design, and architect cloud-based solutions to address customer needs for infrastructure-as-a-service (IaaS), platform-as-a-service (PaaS), and software-as-a-service (SaaS). Additionally, the Architect partners with both business and technology groups to ensure that the proposed technical solutions and strategy align with and support mission objectives.
Cloud Architect 4	Design, build, configure, implement, deliver, and manage Cloud solutions/environments Develop technical architecture and design diagrams and descriptions Use development and scripting tools, language, process, methods, troubleshooting deployment concepts (including continuous integration) and Networking (including Virtual Networks/Virtual Private Cloud, Security Groups, Access Control Lists, CIDR addressing, etc) Support cloud computing services, including IaaS, PaaS, SaaS concepts and articulate concepts to technical and non-technical audiences Work closely with IT Managers, systems and network engineers, software developers and architects, and third party vendors to deliver robust and scalable infrastructure solutions, improve existing infrastructure capabilities and review and provide recommendations on new technologies Lead the design and modeling of tactical architectures for the delivery, development, and support of projects Develop and maintain policies, standards, and guidelines to ensure that a consistent framework is applied across the organization Analyze existing systems, processes and architectures to make recommendations for improvement Experience in Microsoft Azure or other available cloud services, cloud architecture and components (e.g., compute, storage, backup, network, security, DR, DevOps and IT governance) Working knowledge of supporting IT infrastructure technologies and standards including software & hardware life cycle, system configuration policies, security, hardening, HA, DR etc In depth knowledge on Microsoft core platform technologies based on windows server
Cloud Consultant 3	Leads teams to foster successful consultations with technical and non-technical project resources to evaluate project scope and program offering opportunities. Conducts analyses and proof-of-concepts for new technologies and solutions. Advises and participates in collaboration sessions with peer groups and business owners to estimate the feasibility of further analysis costs, risks, and opportunities for implementations.

Cloud Consultant 4	<p>Designs, develops, implements, utilizes, and conforms to enterprise cloud architecture application solutions, strategies, processes, and standards, focusing on expertise in cloud technologies. Collaborates with business owners, Analysts, Engineers, development teams, and infrastructure services to define, establish, and communicate application and data architecture standards, policies, and directions. Designs high quality architectures, and drives architecture activities that are aligned to organization requirements set by leadership on behalf of stakeholders and are consistent with enterprise architectural standards. Works closely with Developers to ensure proper implementation, and liaises between the needs of the organization and the Developers. Provides assistance and direction to other cloud teams, ensuring that all technologies work effectively together to improve IT solution cloud performance, and processes change requests. Increases reuse and reduces redundancy in applications and technology designs. Supports the development and updates of enterprise architectural strategies, standards, processes, and tools, as well as the development of strategy, frameworks, best practices, and patterns.</p>
Cloud Database Engineer	<p>Provides technical expertise for database design, development, implementation, information storage and retrieval, data flow and analysis Develops relational and/or Object-Oriented databases, database parser software, and database loading software Projects long-range requirements for database administration and design Responsible for developing a database structure that fits into the overall architecture of the system under development and has to make trades among data volumes, number of users, logical and physical Cloud Database distribution, response times, retention rules, security and domain controls Engineer and The Initial DBE works Operational primarily Capability at the front (IOCend) of the lifecycle-requirements through system acceptance testing Develops requirements from a project's inception to its conclusion for a particular business and IT subject matter area (i.e., simple to complex systems) Assist with recommendations for, and analysis and evaluation of systems improvements, optimization, development, and/or maintenance efforts Translates a set of requirements and data into a usable document by creating or recreating ad hoc queries, scripts, and macros; updates existing queries, creates new ones to manipulate data into a master file; and builds complex systems using queries, tables</p>
Cloud Docker	<p>The Docker SME will apply their knowledge and experience in assisting Agency to containerize their algorithms and/or applications using tools from the Docker ecosystem in a cloud-based environment. The Docker SME will also be responsible for all aspects of the Docker Container lifecycle in the cloud development environment. Build Docker Images; maintain Docker Registries; implement Docker networking, Docker security, and Docker storage Consult with HPC architect and NESDIS scientists to optimize Docker Image for HPC environment Develop wrapper functions for docker calling API for HPC pipelines Monitor, measure, and automate all things to ensure exceed performance and availability goals Participate and potentially lead technical presentations on the work Understand the current systems, algorithms, and cloud based HPC architecture Participate in team meetings and interact with funding clients In-Depth knowledge of Docker Core Ecosystem - Building Docker Images, Registries, Docker networking Docker storage, Docker security Strong shell scripting skills Strong scripting language skills Ability to use, and build ways to use, automation frameworks Excellent written, oral, and verbal communication skills Experience with laaS; implementing scalable cloud-based environments and systems; service-oriented architectures and microservices; deploying resilient, scalable, high-throughput systems that process large amounts of data</p>
Cloud Engineer 3	<p>Researches, designs, develops, runs tests, and evaluates systems that support cloud implementation and integrates with cloud service providers, applying principles and techniques of computer science, engineering, and mathematical analysis. Plans and conducts technical tasks associated with the implementation and maintenance of internal cloud enterprise-shared virtualization infrastructure. Develops and executes cloud solution roadmaps as they relate to business and executes company strategy to drive the achievement of business objective. Formulates and designs systems, using scientific analysis and mathematical models to predict and measure outcome and consequences of design. Analyzes cloud requirements to determine feasibility of design within time and cost constraints. Consults with other engineering staff to evaluate interface between hardware and software and operational and performance requirements of overall cloud technology system. Deploys software to cloud computing infrastructure, and works with system configuration and deployment automation technologies, working with ETL tools and techniques. Performs the implementation, operational support, maintenance, and optimization of network hardware, software, and communication links of the</p>

	cloud infrastructure. Leverages software development and open source solutions to automate tasks required to enable and manage an organization's products and/or services.
Cloud Engineer 4	Ensure a seamless integration between on-premises infrastructure operations and optimal, efficient, and secure consolidated operations for cloud services Develop and implement a role-based access control strategy integrated with on-premises Active Directory services Manage Cloud providers' applications, infrastructure, and systems Develop, implement, and enforce standard procedures to provision and manage Cloud-based network, storage and infrastructure constructs; standard procedures to provision and manage virtual assets, services, and databases Ensure resilience, sizing and capacity requirements are met; monitors SLAs and burn rates Professional-level Cloud Certification (Engineer/Architect) minimum Microsoft and or Linux Operating System experience Working knowledge of software development Ability to identify and troubleshoot issues with little oversight
Cloud Engineer 5	Automate, scale, and patch our multi-region AWS GovCloud cloud infrastructure deployments via CloudFormation, Lambda and Jenkins Automate application build and deployment pipelines Design new capabilities with best practices and security at the forefront Identify and improve on possible points of failure in the infrastructure/applications Support troubleshooting incidents as they arise and participate in post-mortems Develop documentation and processes to train IT support staff Knowledge of AWS user, security, and networking configurations Familiarity with AWS Services Knowledge of deployment automation tools. Experience scripting in python or bash or comparable language Experience scripting against AWS CLI Familiarity with enterprise CI/CD System Integration and Automation experience preferred
Cloud Project Manager	Conducts financial and budgetary analysis to define project worth and to ascertain which system best fits user needs and company standards. Selects project team members and assigns tasks and responsibilities. Provides direction and technical guidance to project team members; communicates job expectations; and plans, monitors, and appraises job results. Plans, initiates, coordinates, and enforces systems, policies, and procedures. Manages, coordinates, and establishes priorities for complete life-cycle of projects including the planning, design, programming, testing, and implementation of business solutions designed to meet requirements of various departments in the company, such as distribution, finance, and manufacturing. Designs project plans, which identify needs and define major tasks and milestones, based on scope, resources, budget, and personnel. Determines project needs and acquires resources required for the success of the project. Coordinates the development of new systems and/or applications projects, the modification of existing systems or applications, or changes in current methods or techniques. Coordinates project performance with the other work of the affected department or departments. Excludes those who do not have full-time responsibility for project management. Performs feasibility studies to ensure systems adhere to standards and meet user requirements. Conducts financial and budgetary analysis to define project worth and to ascertain which system best fits user needs and company standards. Selects project team members and assigns tasks and responsibilities.
Cloud Security Information Analyst	Conduct advanced research and analysis of current systems to develop strategic implementation plans and designs, document and mitigate risks as well as lessons learned, and provide regular updates. Ensure all requirements, customer and functional, are met through system analysis across all levels to include hardware/software, concept, design, fabrication, test, installation, operation, maintenance and disposal. Support development team to research, collaborate, and strategize with vendors and various groups, such as Systems Security Engineering, R&D, Server and Network teams, and provide recommendations on how to leverage emerging technology to improve cybersecurity and mission assurance. Address unusually complex problems with consultative direction through the application of advanced cyber security technologies expertise, security principles, theories, and concepts. Maintain a strong understanding of cybersecurity, networking architecture, servers, systems design, virtual hosts, and configuration management and licensing. Provide expertise to contribute to the security assessment and compliance activities to maintain accreditation to include mitigation and documentation. Analyze and research vulnerabilities to identify risk to provide early warning related to a variety of cyber threats. CAP or SSCP Certification Experience with cyber security software System Development Life Cycle Strong experience with cloud security strategy, cloud provider ecosystems (AWS) infrastructure, application and data designs to hybrid or fully cloud enabled practices. Advanced cybersecurity systems engineering design and operations in multi-enclave cloud environments. Possess clear understanding of security protocols and standards and have experience with software security architectures.

Cloud SME	<p>Provide consultation and strategic guidance to agency IT staff to help shape IT strategy and direction for large, complex agency IT ecosystems. As part of an Enterprise Architecture (EA) program team, develop and maintain key agency EA products to include: Application Life cycle Management (ALM) strategy, continuous integration (CI) and continuous deployment (CD) processes and techniques under an overarching enterprise Platform-as-a-Service, DevOps, and Cloud Strategy. Responsible to build and maintain a CI/CD strategy for the IRS and by extension, the DevOps strategy for application development as well as operations management. Cloud Strategy and Application Rationalization for Cloud Deployment, Cloud Vendor or Platform Selection and Cloud Migration strategy. Build and maintain a cloud infrastructure strategy for federal agencies through providing inputs and advising clients as a subject matter expert (SME), sometimes by creating the solution architecture or overseeing proofs of concept (POCs), to build multiple software POCs to assess the various needs of the client from the perspective of security, networking, and cloud infrastructure providers. Provide inputs and advise as a Subject Matter Expert (SME), sometimes by creating a solution architecture or overseeing Proof-of-Concepts (POCs), to build multiple software POCs using the various types of application stack and PaaS solutions, inbuilt or external DevOps tools and methodologies, and come up with an incrementally updated policy, guideline and checklist documents for the enterprise to use. Provide inputs for the new Internal Reference Manuals (IRMs) or rewrite older ones to administer formal approvals for the processes and tools associated with the PaaS and DevOps technologies.</p>
Cloud Solutions Manager	<p>Manages the agreed scope of the organization's cloud solution projects, and provides innovative solutions to complex problems for the purpose of increasing the speed of development and change and of driving the achievement of business objectives. Oversees the development of cloud solution roadmaps of the overall vision that underlies the projected solution, transforms that vision through execution into the solution, and assures projects meet the quality requirements. Coordinates solution planning for cloud-based offerings, heads a cloud solution team required to support the business sales channels, and executes the cloud strategy as a leader within the business, utilizing strong Cloud Solutions technical leadership and ongoing coaching of direct reports. Manager are Manages scalable and, reliable heads, the secure development, and supportable and implementation and that they of achieve cloud-based business initiatives and IT to performance ensure that systems and budgetary objectives. Determines the overall project plan, budget, structure, schedule, and staffing requirements for complex cloud solutions, and collaborates and manages the resources across multiple projects to ensure scheduled delivery of solutions. Shares and communicates ideas clearly, both orally and in writing, to executive staff, business sponsors, and technical resources in clear concise language that is the appropriate for each group. Hires, trains, and develops new Cloud Solutions Architects and other solutions staff from internal and external sources.</p>
Cloud Systems Administrator 2	<p>Systems Administrator maintains and supports the integrity of the operating system environment and various computer systems. Administers, installs and troubleshoots a variety of operating systems. Being a Systems Administrator II performs systems maintenance tasks, such as system back-up, recovery and file maintenance. Schedules, installs, and tests system software upgrades. Additionally, Systems Administrator configures software and resolves technical problems. Monitors and maintains software licensing and maintenance agreements. Typically reports to a project leader or manager. The Systems Administrator II gains exposure to some of the complex tasks within the job function.</p>
Cloud Systems Administrator 3	<p>Administers, develops, configures, implements, and maintains the systems that comprise the underlying cloud platform. Sets up public and/or private cloud systems, understanding and depending on type of workload, and deploys them in an automated way; and monitors, moves, and alters the systems using a prescribed Cloud Systems methodology. Establishes and implements standards for cloud operations according to specifications and parameters. Determines business needs, and selects a cloud provider(s) that best fits the requirements. Questions and determines cost, business use, location of users, security, and other vectors, which brings the position closer to the business and its goals. Troubleshoots when problems arise, and plans for future cloud capacity requirements. Coordinates and works with others on various parts of the implementation. Schedules, performs, and monitors system backups and, when necessary, performs data recoveries. Recommends upgrades according to growth statistics and forecasts. Schedules, plans, and performs system upgrades, including coordinating the transition from test to production environments. Provides technical support for system users.</p>

Cyber Security Architect 3	Responsible for leading security initiatives relating to information Assurance (IA) with the design/deployment/maintenance of new and field existing security infrastructure capabilities. Provides technical direction in the areas of vulnerability assessment risk assessment, network, security, product evaluation, and security implementation. Designs contingency plans of information Systems in order to maintain appropriate levels of protection and meet time requirements for minimizing operations impact to a customer's organization. Follows and ensuring compliance with federal security regulations and guidelines while making improvement recommendations to the customer. Able to design project roadmaps for IT architecture in support of business change projects
Cyber Security Engineer 1	The Cyber Security Engineer I may identify or resolve highly complex issues to prevent cyberattacks on information systems or keep computer information systems secure from interruption of service, intellectual property theft, network viruses, data mining, financial theft, or theft of sensitive customer data, allowing business to continue as normal. The Cyber Security Engineer is capable of providing discovery of penetration testing artifacts, response to cyber security incidents, operate the tools required for cyber hunt activities and provide fact finding in regards to Risk and Vulnerability assessments. Additionally, The Cyber Security Engineer designs, installs, and manages security mechanisms that protect networks and information systems against hackers, breaches, viruses, and spyware. This individual responds to incidents, investigates violations, and recommends enhancements to plug potential security gaps. Performs more routine cyber security aspects of the position and is supervised by a higher level of Engineer for additional insights and guidance to perform the necessary support requirements.
Cyber Security Engineer 2	The Cyber Security Engineer II may identify or resolve highly complex issues to prevent cyberattacks on information systems or keep computer information systems secure from interruption of service, intellectual property theft, network viruses, data mining, financial theft, or theft of sensitive customer data, allowing business to continue as normal. The Cyber Security Engineer is capable of providing detailed discovery of penetration testing artifacts and target nodes, response to cyber security incidents and provide contribution to resolution, install/operate the tools required for cyber hunt activities and provide detailed fact finding in regards to Risk and Vulnerability assessments. Additionally, The Cyber Security Engineer designs, installs, and manages security mechanisms that protect networks and information systems against hackers, breaches, viruses, and spyware. This individual responds to incidents, investigates violations, and recommends enhancements to plug potential security gaps. Performs routine cyber security aspects of the position along with experience to address 0 day cyber threats and is supervised by a higher level of Engineer for additional insights and guidance to perform the necessary support requirements.
Cyber Security Engineer 3	The Cyber Security Engineer III identifies or resolve highly complex issues to prevent cyberattacks on information systems or keep computer information systems secure from interruption of service, intellectual property theft, network viruses, data mining, financial theft, or theft of sensitive customer data, allowing business to continue as normal. The Cyber Security Engineer is capable of providing analysis of penetration testing artifacts and target nodes, response to cyber security incidents and provide resolution, install/operate/configure the tools required for cyber hunt activities and provide detailed fact finding in regards to Risk and Vulnerability assessments. The Cyber Security Engineer designs, installs, and manages security mechanisms that protect networks and information systems against hackers, breaches, viruses, and spyware. This individual responds to priority incidents, investigates priority violations, and recommends enhancements to plug potential security gaps in compliance. Provides guidance to Cyber Security Engineer's I & II as to the aspects of cyber security to address cyber threats and provides supervision support to a higher level of Engineer for insights and guidance as it relates to Cyber Security.

Cyber Security Engineer 4	<p>The Cyber Security Engineer IV identifies or resolve highly complex issues to prevent cyberattacks on information systems or keep computer information systems secure from interruption of service, intellectual property theft, network viruses, data mining, financial theft, or theft of sensitive customer data, allowing business to continue as normal. The Cyber Security Engineer will be capable of providing detailed analysis of penetration testing artifacts and target nodes, response to escalated cyber security incidents and provide resolution, install/operate/configure the tools required for cyber hunt activities and provides detailed information in regards to Risk and Vulnerability assessments. Delivers consultative analysis directly to a customer as to findings, violations or remediation efforts. The Cyber Security Engineer designs, installs, and manages security mechanisms that protect networks and information systems against hackers, breaches, viruses, and spyware. This individual responds to priority incidents, investigates priority violations, and recommends enhancements to eliminate potential security gaps in compliance. The Cyber Security Engineer is considered experienced in the field of Penetration Testing, Incident Response, Cyber Hunt and Risk and Vulnerability assessments. Provides guidance to Cyber Security Engineer III's as to the aspects of cyber security to address cyber threats and provides supervision support to a higher level of Engineer for insights and guidance as it relates to Cyber Security. Performs more varied and difficult tasks which were escalated from level I through III Cyber Security Engineers.</p>
Cyber Security Engineer 5	<p>The Cyber Security Engineer V provides leadership throughout the identification and resolution of highly complex issues to prevent cyberattacks on information systems or keep computer information systems secure from interruption of service, intellectual property theft, network viruses, data mining, financial theft, or theft of sensitive customer data, allowing business to operate as normal. The Cyber Security Engineer will be capable of providing detailed analysis of penetration testing artifacts and target nodes, response to escalated cyber security incidents and provide resolution, analyze the outputs from tools required for cyber hunt activities and provides detailed information in regards to Risk and Vulnerability assessments. Delivers consultative analysis directly to a customer as to findings, violations or remediation efforts. The Cyber Security Engineer sets forth design strategies, installs, and manages security mechanisms that protect networks and information systems against hackers, breaches, viruses, and spyware. This individual responds to priority incidents, investigates priority violations, and recommends enhancements to eliminate potential security gaps in compliance. The Cyber Security Engineer is considered senior in the field of Penetration Testing, Incident Response, Cyber Hunt and Risk and Vulnerability assessments. Creates strategy and sets forth plans to provide secure solutions and is highly competent in the subject matter and concepts and may lead individuals assisting in the work.</p>
Cyber SME 5	<p>Installs software, such as firewalls, to protect computer networks. Plan and carry out security measures to protect an organization's computer networks and systems. Responsibilities are continually expanding as the number of cyberattacks increases. Help prevent attacks through their expertise and knowledge of databases, networks, hardware, firewalls and encryption. May also regulate access to computer files, develop firewalls, perform risk assessments and test data processing systems to verify security measures plan, implement and upgrade security measures and controls. Establish plans and protocols to protect digital files and information systems against unauthorized access, modification and/or destruction Maintain data and monitor security access. Perform vulnerability testing, risk analyses and security assessments. Conduct internal and external security audits. Anticipate security alerts, incidents and disasters and reduce their likelihood. Manage network, intrusion detection and prevention systems. Analyze security breaches to determine their root cause. Recommend and install appropriate tools and countermeasures. Define, implement and maintain corporate security policies. Train fellow employees in security awareness and procedures. Coordinate security plans with outside vendors.</p>
Cyber SME 6	<p>Installs software, such as firewalls, to protect computer networks. Plan and carry out security measures to protect an organization's computer networks and systems. Responsibilities are continually expanding as the number of cyberattacks increases. Help prevent attacks through their expertise and knowledge of databases, networks, hardware, firewalls and encryption. May also regulate access to computer files, develop firewalls, perform risk assessments and test data processing systems to verify security measures. Plan, implement and upgrade security measures and controls. Establish plans and protocols to protect digital files and information systems against unauthorized access, modification and/or destruction. Maintain data and monitor security access. Perform vulnerability testing, risk analyses and security assessments. Conduct internal and external security audits. Anticipate security alerts, incidents and disasters and reduce their likelihood. Manage network, intrusion detection and prevention systems. Analyze security breaches to determine their root cause. Recommend and install appropriate tools and</p>

	countermeasures. Define, implement and maintain corporate security policies. Train fellow employees in security awareness and procedures. Coordinate security plans with outside vendors
Information Security Consultant 1	Completes tasks designed to ensure security of the organization's systems and information assets. Protects against unauthorized access, modification, or destruction of data through the use of penetration testing and risk and vulnerability assessment guidance. Has the ability to recommend incident response actions and Cyber Hunt activities based on knowledge of the system and detected activities. Works with end users to determine needs of individual departments. Implements policies or procedures and tracks compliance throughout the organization. Typically requires a bachelor's degree or its equivalent. Typically reports to a manager. Works on projects/matters of limited complexity in a support role. Work is closely managed.
Information Security Consultant 2	Completes tasks designed to ensure security of the organization's systems and information assets. Protects against unauthorized access, modification, or destruction and develops IT security policies and standards that align to penetration testing and risk and vulnerability assessment best practices as defined within DoD and other government standards. Capable of developing Incident response plans and Cyber Hunt Hypothesis'. Works with end users to determine needs of individual departments. Implements policies or procedures and tracks compliance throughout the organization. Typically requires a bachelor's degree or its equivalent. Typically reports to a manager. Gaining exposure to some of the complex tasks within the job function. Occasionally directed in several aspects of the work.
Information Security Consultant 3	Completes tasks designed to ensure security of the organization's systems and information assets. Protects against unauthorized access, modification, or destruction and develops IT security policies and standards. Works with end users to determine needs of individual departments. Understands internet architecture and firewall configuration to protect system security. May need to authorize user access and familiar with domain structures and digital signatures. Capable of making detailed architectural and configuration recommendations based on penetration testing and risk and vulnerability assessment testing of system infrastructure. Capable of recommending security tool configurations to align with system architecture for increased cyber hunt capabilities and incident response. Requires a bachelor's degree or its equivalent. Typically reports to a manager. Contributes to moderately complex aspects of a project. Work is generally independent and collaborative in nature.
Information Security Consultant 4	Designs and implements information security standards for applications and databases bases on penetration testing and risk and vulnerability assessment activities. Collaborates with a team of information security analysts to provide subject matter expertise on application development, database design, network maintenance, incident response, and cyber hunt. Researches and advocates the latest technologies and solutions to support the security requirements of internal and external customers and is capable of performing penetration testing and risk and vulnerability assessments of latest technologies. Assesses client needs against security concerns and resolves information security risk issues based on assessment findings. Provides the customer with a detailed understanding of how new technologies will integrate into current Cyber Hunt and Incident response activities. Trains security awareness to business partners and IT staff. Requires a bachelor's degree or its equivalent. Typically reports to a manager. A specialist on complex technical and business matters. Work is highly independent. May assume a team lead role for the work group.
Information Security Consultant 5	Delivers strategic guidance as to the designs and implementation of information security standards for applications and databases bases on penetration testing and risk and vulnerability assessment activities. Collaborates with a team of information security analysts to provide subject matter expertise on application development, database design, network maintenance, incident response, and cyber hunt. Researches and advocates the latest technologies and solutions to support the security requirements of internal and external customers and is capable of performing penetration testing and risk and vulnerability assessments of latest technologies. Assesses client needs against security concerns and resolves information security risk issues based on assessment findings. Provides the customer with a detailed understanding of how new technologies will integrate into current Cyber Hunt and Incident response activities. Trains security awareness to business partners and IT staff. Requires a bachelor's degree or its equivalent. Typically reports to a manager. A specialist on complex technical and business matters. Work is highly independent. May assume a team lead role for the work group. Typically requires a bachelor's degree. Typically reports to a manager. Works on advanced, complex technical projects or business issues requiring state of the art technical or industry knowledge. Works autonomously. Goals are generally communicated in solution or project goal terms.

Information Security Manager	Manages the information security management function of an organization, including the development, documentation, implementation, operation, and maintenance of an information security program; and heads ongoing activities to preserve the availability, integrity, and confidentiality of organization information resources in compliance with applicable security policies and standards. Maintains security protocols; and safeguards the organization's computers, networks, and data against threats, such as security breaches, computer viruses, or attacks by cyber-criminals, avoiding loss of confidential information, lost revenue, and fines from regulatory agencies for failing to protect data. Manages staff, providing line management, leadership, motivation, and strategic direction. Communicates regularly with other managers, and brings the organization's information security risks under explicit management control.
Network SME 4	Installs, maintains and evaluates network systems and communications. Troubleshoots the complex network issues involving various factors. Conducts network architecture design, feasibility and cost studies. Must have extensive knowledge of Internet, computer, routers, switches, firewall, etc. Typically reports to a manager. A specialist on complex technical and business matters. Work is highly independent. May assume a team lead role for the work group.
Network SME 5	Installs, maintains and evaluates network systems and communications. Troubleshoots the most complex network issues. Conducts various researches and analysis regarding new technology, network traffic, potential security risk, etc. Leads the network architecture design and optimization. Must have extensive knowledge of Internet, computer, routers, switches, firewall, etc. Typically reports to a manager. Works on advanced, complex technical projects or business issues requiring state of the art technical or industry knowledge. Works autonomously. Goals are generally communicated in solution or project goal terms. May provide a leadership role for the work group through knowledge in the area of specialization.
Platform SME 4	Participate in and support the conduction of deliberate planning for Platform Information Technology (PIT) or control systems in support of user action officers. Apply advanced knowledge of network architecture and operations to analyze and define solutions. Assess threats and vulnerabilities and recommend appropriate strategies to defend or exploit them. Maintain thorough knowledge of platform operations and operations community architecture. Assess operational risks and issues, develop effective courses of action and mitigation strategies, and coordinate actions for planning in support user operational planning process activities. Use engineering methodologies to develop concepts for assessing system resilience.
Platform SME 5	Participate in and support the conduction of deliberate planning for Platform Information Technology (PIT) or control systems in support of user action officers. Apply advanced knowledge of network architecture and operations to analyze and define solutions. Assess threats and vulnerabilities and recommend appropriate strategies to defend or exploit them. Maintain thorough knowledge of platform operations, operations community architecture and drives efficiencies in operations and maintenance. Assess operational risks and issues, develop effective courses of action and mitigation strategies, and coordinate actions for planning in support user operational planning process activities. Use engineering methodologies to develop concepts for assessing system resilience. Coordinate planning efforts across members of the user community and access current scientific and technical intelligence products for awareness of threats to systems.
Security Systems Integration Engineer	Develops and implements solutions integrating applications across the enterprise or its units/departments. This role may identify or resolve highly complex issues to prevent cyberattacks on information systems or keep computer information systems secure from interruption of service, intellectual property theft, network viruses, data mining, financial theft, or theft of sensitive customer data, allowing business to continue as normal. The Security Systems Integration Engineer designs, installs, and manages security mechanisms that protect networks and information systems against hackers, breaches, viruses, and spyware. This individual responds to incidents, investigates violations, and recommends enhancements to plug potential security gaps. Performs more routine aspects of the position and is supervised by higher levels. Evaluates existing components or systems to determine integration requirements and to ensure final solutions meet organizational needs. Requires C++ or Java; XML; EDI or OBI; Oracle or Microsoft SQL. Typically reports to a manager. Gaining exposure to some of the complex tasks within the job function. Occasionally directed in several aspects of the work.

Senior Firewall Engineer	Firewall engineers design, build, and manage the security infrastructure of information technology (IT) systems. This includes installing hardware, configuring firewalls, setting up virtual private networks (VPNs), and adding upgrades. Despite the strong technical focus of the job, firewall engineers also engage with clients, relaying information about the project and troubleshooting all issues discovered. They are proficient in change management and disaster response, and they actively apply policies and standards to all projects. While they spend most of their time in front of a computer, they often function within a team of other engineers, and they may work shifts at irregular hours to perform maintenance at unobtrusive times or resolve critical issues.
Senior Subject Matter Expert 3	Subject Matter Expertise in a technical field in a technical field or specialized engineering or technology integration area and is proficient in relevant engineering principles. Applies experience skills. And expert knowledge within an engineering discipline to complex assignments. Generates unique concepts as evidenced by synthesis of new products or processes. Provides leadership for engineering activities in a specialized engineering or technology subject area. Serves as a major contributor to technical planning processes and for providing technical management and guidance.
Senior Subject Matter Expert 4	Expert in Single or Multiple technical disciplines providing expert knowledge from both commercial of specialization and federal experience and insight into specific areas of effective IT engineering and operations. Guides the development and application of this knowledge to the project, independently performs a variety of system design and integration tasks where subject matter expertise is required.
Senior Tech PM 4	Providing overall direction, control, and reporting of multiple projects with the ability to provide technical and management guidance to ensure all schedule and cost objectives are successfully achieved. Able to track and manage resources on the project. Responsible for establishing project plans, budgets, schedules, and documentation of work results. Able to coordinate with team, vendors, and stakeholders to ensure that all necessary deliverables and activities are completed on schedule and within the designated budget. Resolve issues (both technical and design) and recommend solutions. Able to deliver business value to customers by implementing effective information systems solutions that address the customer's business problems, needs and opportunities, in a manner consistent with the client strategic and business goals.
Staff Consultant	Assists teams with routine data gathering and research activities, organizes data and project documents, and assists project managers with project administrative activities. Ability to prepare briefings, web content, technical or process documents, and provide technical editing. Provides analytical and writing support to prepare, edit, and develop professional deliverables. Works directly with customers to define needs, develop solutions, and plan work. Uses experience and knowledge in field to formulate innovative and practical solutions. Performs complex tasks without supervision, and is typically supervised by a Senior Consultant or Project Manager.
Subject Matter Expert 1	Develops requirements from a project's inception to its conclusion in the subject matter area for simple to moderately complex systems. Assists senior team members with analysis and evaluation and with the preparation of recommendations for system improvements, optimization, development, and/or maintenance efforts in the following specialties: information systems architecture; networking; telecommunications; automation; communications protocols; risk management/electronic analysis; software; life-cycle management; software development methodologies; and modeling and simulation.
Subject Matter Expert 2	Provides Functional and/or process expertise and skills relevant to a specific specialized domain area. Has a strong understanding of every step within the full life cycle development process. Experienced in the operational environment and using high-level functional systems analysis, design, integration, documentation, and implementation methodologies on complex problems that require in-depth knowledge of the subject matter for effective implementation. Applies principles, methods, and knowledge to the functional area of expertise to specific order requirements. Plans and prepares technical reports, data bases, studies, and related documentation, makes charts and graphs to record results. Prepares and delivers briefings as required by the order.
Subject Matter Expert 5	A SME has proficiency in his or her subject and guides other professionals on the project to ensure the content is accurate. A subject matter expert (SME) is an individual who is considered an expert on particular subjects, or flagged as an expert in a piece of management software or other technology. The subject matter expert has a particular territory in which he or she has demonstrated above-average knowledge or experience. A subject matter expert is an individual with a deep understanding of a particular process, function, technology, machine, material or type of equipment. Individuals designated as subject matter experts are typically sought out by others interested in learning more about or leveraging their unique expertise to solve specific problems or help meet particular technical

	challenges. Subject matter experts in some fields often serve as expert witnesses in lawsuits and other legal actions.
Subject Matter Expert 5	Installs software, such as firewalls, to protect computer networks. Plan and carry out security measures to protect an organization's computer networks and systems. Responsibilities are continually expanding as the number of cyberattacks increases. Help prevent attacks through their expertise and knowledge of databases, networks, hardware, firewalls and encryption. May also regulate access to computer files, develop firewalls, perform risk assessments and test data processing systems to verify security measures Plan, implement and upgrade security measures and controls Establish plans and protocols to protect digital files and information systems against unauthorized access, modification and/or destruction Maintain data and monitor security access Perform vulnerability testing, risk analyses and security assessments Conduct internal and external security audits Anticipate security alerts, incidents and disasters and reduce their likelihood Manage network, intrusion detection and prevention systems Analyze security breaches to determine their root cause Recommend and install appropriate tools and countermeasures Define, implement and maintain corporate security policies Train fellow employees in security awareness and procedures Coordinate security plans with outside vendors
Systems Engineer 5	Plans and designs an organization's systems infrastructure, including the implementation and design of hardware and software. Analyzes, develops, modifies, tests and maintains the system. Verifies and validates systems and meets internal and external requirements. Diagnoses problems and provides recommendations for improvement on existing and new systems. Typically reports to a manager. A specialist on complex technical and business matters. Work is highly independent. May assume a team lead role for the work group.
Systems Engineer 6	Leads the planning and designing of an organization's systems infrastructure. Ensures the accuracy and effectiveness of the system meet business/customers' requirements. Monitors the performance of systems and suggests improvements. Verifies and reviews system related documents/reports including installation procedures. Typically reports to a manager or head of unit/department. Works on advanced, complex technical projects or business issues requiring state of the art technical or industry knowledge. Works autonomously. Goals are generally communicated in solution or project goal terms. May provide a leadership role for the work group through knowledge in the area of specialization.
Technical Delivery Manager 2	Responsible for engineering teams and managing technical projects on time and within budget. Participate in all aspects of project schedule planning, development, delivery and maintenance in support of the contract. Coordinate engineering projects and activities into a successful overall Program schedule. Analyze situations and exercise sound judgment in determining appropriate courses of action. Gathering client/user inputs, simplifying complex topics for non-technical audiences and preparing quick painted summaries for executives and stakeholders

518210C - Cloud Computing and Cloud Related IT Service Models

Scope

Sev1Tech offers cloud managed services as a Flexible Consumption Model (FCM), also known as an “as-a-Service” Model. Sev1Tech provides all of the three major types of cloud computing solutions: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). These models shift the customer-supplier relationship from the traditional model of ownership, to a model that revolves around providing service on a non-ownership, or licensing, basis.

Services can be provided for any FISMA level (low, moderate, or high) and in both FedRamp and non-FedRamp environments. Services can be provided on premise and or in our network of service providers.

These cloud services must be sold in a NIST-approved model and bundled in with our Cloud Access Fee (CAF).

The foundation for defining services in this market space is NIST. Sev1Tech provides all the NIST 800-145 defined cloud computing services to include Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service). Customers can choose more than one model as each application has different requirements and advancing from basic service to a complete managed cloud services is part of the service lifecycle.

Service Models

The service models approved by NIST and leveraged by Sev1Tech are as follows:

NIST Defined Service Models	NIST 800-145 Definitions	Benefits To Customers
Infrastructure as a Service (IaaS)	The capability provided to the consumer is to provision processing, storage, networks, and other fundamental computing resources where the consumer is able to deploy and run arbitrary software, which can include operating systems and applications. The consumer does not manage or control the underlying cloud infrastructure but has control over operating systems, storage, and deployed applications; and possibly limited control of select networking components (e.g., host firewalls).	Provides application owners the ability to manage this applications and operating systems. This provides a more resilient and flexible environment to operate mission systems.
Platform as a Service (PaaS)	The capability provided to the consumer is to deploy onto the cloud infrastructure consumer-created or acquired applications created using programming languages, libraries, services, and tools supported by the provider. The consumer does not manage or control the underlying cloud infrastructure including network, servers, operating systems, or storage, but has control over the deployed applications and possibly configuration settings for the application-hosting environment.	Provides the customer a managed compute platform that allows resources to focus on the application layers not the operating layers and infrastructure. This model is a great way to improve security compliance and reduce mission availability risk.
Software as a Service (SaaS)	The capability provided to the consumer is to provision processing, storage, networks, and other fundamental computing resources where the consumer is able to deploy and run arbitrary software, which can include operating systems and applications. The consumer does not manage or control the underlying cloud infrastructure but has control over operating systems, storage, and deployed applications; and possibly limited control of select networking components (e.g., host firewalls).	For customers that want to focus on their mission and not the supporting IT tools this option provides the highest level of service to the end-user.

Service Characteristics Overview:

Sev1Tech’s solutions incorporate 5 essential characteristics:

1. On-demand self-service
2. Broad network access
3. Resource pooling,
4. Rapid elasticity

5. Measured services.

Customers must clearly define who has on-demand direct access permissions to allocate additional capacity. In some cases, at the Contracting Officers discretion, only the COR may have the authority to add more resources. Adding capacity in the cloud equates to adding cost immediately and cannot be uncommitted.

1. On-Demand Self-Service:

In accordance with the customer's deployment and service model requirements and authorization from the contracting officer, Sev1Tech provides on-demand self-service through our web-based customer portals or with direct access to our services. Sev1Tech provides training on incurring additional costs through on-demand access in the cloud as part of our deployment. However, an individual authorized by the CO has the on-demand ability to significantly increase processing and storage costs without any supervision and the customer is obligated to pay for the additional resources at time of commitment.

2. Broad Network Access:

Sev1Tech provides multiple methods for connecting to our environments.

- Clients internet connection
- Dedicated internet connection
- Thin client access
- Open internet access with no access controls
- Single, or dual factor authentication
- Software VPN access to any device, site (building or network) or designated remote/portable users for Microsoft, Linux, Android iOS, Apple, and open-source devices.
- Advanced secure internet connections with integrated endpoint management and protection for Microsoft, Linux, Android iOS, Apple, and open-source devices
- Software Defined Networking and Common Commercial Carrier services
- Portable hardware encryption keys over internet

Private dedicated circuit or fiber services with an architected security solution (appliance based)

Access for IoT devices could be provided via low transmission wireless networks.

This allows customers to access the environment for as many locations as they require. This broad access also promotes the capability to connect laptops, workstations, mobile devices, and tablets. For non-web-based services in the IaaS, PaaS, and SaaS model the customer may choose to leverage private connectivity options to provide additional levels of security controls such as dark fiber.

3. Resource Pooling

Regardless of the service model, Sev1Tech can offer resource pooling within the solution. This can be accommodated through cloud brokerage within large platform providers or in private clouds through offerings of virtual machines and shared storage alternatives. We can draw from resource pools across multiple providers and environments if required by the customer. We work with each customer to design a process that ensures we govern elasticity and resource allocation based on their authorization model. The building blocks for our resources are:

Building Blocks	Standard Measure	Units Offered	Usage Reporting Frequency
Software	Per license used or committed	Hourly, Monthly, Yearly	Monthly with Invoice and on-demand self- service or through request anytime
Compute	Per CPU used or committed	Hourly, Monthly, Yearly	Monthly with Invoice and on-demand self- service or through request anytime
Storage	Per Gigabyte used or committed	Hourly, Monthly, Yearly	Monthly with Invoice and on-demand self- service or through request anytime
Network	Per Megabyte used or committed	Hourly, Monthly, Yearly	Monthly with Invoice and on-demand self- service or through request anytime

Facilities Space	Per Rack Unit used or committed	Hourly, Monthly, Yearly	Monthly with Invoice and on-demand self- service or through request anytime
Facilities Power	Per KW used or committed	Hourly, Monthly, Yearly	Monthly with Invoice and on-demand self- service or through request anytime

4. Rapid elasticity:

Provisioning of compute, storage, and capability using today’s technologies are instantaneous. We can design our solutions to meet customer requirements. Sev1Tech provides all the capacity management so you can focus on your mission. By using a software-defined infrastructure and abstracting the physical layers of the solution, we auto-scale the environments manage the performance through monitoring wherever possible. We can draw from resource pools across multiple providers and environments, if requested by the customer. We work with each customer to design a process that ensures we govern elasticity and resource-allocation based on their authorization model.

5. Measured Service:

Sev1Tech can provide transparency across our solutions with measured services. We can provide as much detailed information to customers as required. For a customer who want usage-based contracts, we can price a Time and Materials solution. For customers who prefer firm fixed price arrangements or buying capabilities in defined year increments we can provide pricing off of anticipated averages. Sev1Tech offers bulk discounting for both types of pricing services.

Cloud Optimization Transparent Pricing

Sev1Tech makes pricing simple and transparent.

As your dedicated services broker, we provide Microsoft, AWS, and other 3rd party provider items (such as facility/space, compute, storage, etc), quote/purchase the required resources and set prices based on your required configuration. Materials and ODCs are subject to applicable burdens in accordance with Sev1Tech’s CAS Disclosure Schedule and our Cloud Access Fee (CAF) is applied to the infrastructure building blocks. CAF is not applied to labor-based support services (such as monitoring, SLA support, security, patching, and application support services).

Sev1Tech is committed to offering solutions that meet and mold with, our customer’s needs. In order to keep prices low in an ever-evolving Technology Marketplace, we engage in annual pricing exercises. If requested by our customers, annually, our Technical Project Managers will work with the Technical Team to adjust any building block specifications to match the increased/decreased need, or the addition/subtraction of services. This pricing exercise not only allows our Clients to come back to the table should needs change, but also allows us to “check in” with current market prices, and potentially offer discounts to services offered in the previous year.

As-A-Service Discounts

Sev1Tech offers discounts based on anticipated annual spend, in accordance with the discount table below. Discounts are included in our proposed prices, and every year, will be re-evaluated based on actual spend and any adjustment to services.

These Discounts are based on our as-a-service bundles. Task Orders solicited under this SIN for labor only are not subject to these discounting procedures and will be discounted in accordance with our labor discounting methodology.

Minimum Annual Spend	Average Monthly Spend	Discount Percentage
IAAS Cloud Services		
\$120,000.00	\$10,000.00	0.15%
\$1,200,000.00	\$100,000.00	0.25%
\$3,000,000.00	\$250,000.00	0.50%
\$12,000,000.00	\$1,000,000.00	1.00%

\$18,000,000.00	\$1,500,000.00	1.50%
PAAS Cloud Services		
\$120,000.00	\$10,000.00	0.25%
\$1,200,000.00	\$100,000.00	0.50%
\$3,000,000.00	\$250,000.00	0.75%
\$12,000,000.00	\$1,000,000.00	1.50%
\$18,000,000.00	\$1,500,000.00	1.75%
SAAS Cloud Services		
\$120,000.00	\$10,000.00	0.25%
\$1,200,000.00	\$100,000.00	0.50%
\$3,000,000.00	\$250,000.00	0.75%
\$12,000,000.00	\$1,000,000.00	1.50%
\$18,000,000.00	\$1,500,000.00	1.75%